

TABLE 2. R&D expenditures at universities and colleges, by character of work: FY 1953–2004

(Dollars in millions)

Fiscal year	All R&D expenditures	Basic research		Applied research and development	
		Amount	Percent	Amount	Percent
1953	255	110	43.1	145	56.9
1954	290	136	46.9	154	53.1
1955	312	159	51.0	153	49.0
1956	372	200	53.8	172	46.2
1957	410	240	58.5	170	41.5
1958	456	281	61.6	175	38.4
1959	526	343	65.2	183	34.8
1960	646	433	67.0	213	33.0
1961	763	536	70.2	227	29.8
1962	904	659	72.9	245	27.1
1963	1,081	814	75.3	267	24.7
1964	1,275	1,003	78.7	272	21.3
1965	1,474	1,138	77.2	336	22.8
1966	1,715	1,303	76.0	412	24.0
1967	1,921	1,457	75.8	464	24.2
1968	2,149	1,650	76.8	499	23.2
1969	2,225	1,711	76.9	514	23.1
1970	2,335	1,796	76.9	539	23.1
1971	2,500	1,914	76.6	586	23.4
1972	2,630	2,022	76.9	608	23.1
1973	2,884	2,053	71.2	831	28.8
1974	3,022	2,153	71.2	869	28.8
1975	3,409	2,410	70.7	999	29.3
1976	3,729	2,549	68.4	1,180	31.6
1977	4,067	2,800	68.8	1,267	31.2
1978 ^a	4,625	NA	NA	NA	NA
1979	5,366	3,619	67.4	1,747	32.6
1980	6,063	4,036	66.6	2,026	33.4
1981	6,847	4,594	67.1	2,253	32.9
1982	7,324	4,879	66.6	2,445	33.4
1983	7,882	5,303	67.3	2,579	32.7
1984	8,620	5,733	66.5	2,887	33.5
1985	9,687	6,556	67.7	3,131	32.3
1986	10,928	7,492	68.6	3,435	31.4
1987	12,153	8,393	69.1	3,760	30.9
1988	13,463	8,894	66.1	4,569	33.9
1989	14,977	9,792	65.4	5,185	34.6
1990	16,286	10,643	65.4	5,643	34.6
1991	17,585	11,606	66.0	5,979	34.0
1992	18,818	12,516	66.5	6,302	33.5
1993	19,951	13,303	66.7	6,648	33.3
1994	21,028	13,987	66.5	7,041	33.5
1995	22,171	14,809	66.8	7,362	33.2
1996	23,047	15,479	67.2	7,567	32.8
1997	24,371	16,600	68.1	7,771	31.9
1998	25,856	19,048	73.7	6,808	26.3
1999	27,531	20,365	74.0	7,166	26.0
2000	30,069	22,453	74.7	7,616	25.3
2001	32,794	24,372	74.3	8,422	25.7
2002	36,367	27,276	75.0	9,091	25.0

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2003	40,057	29,961	74.8	10,095	25.2
2004	42,945	32,308	75.2	10,638	24.8

NA = not available.

^a Separate data for basic research and applied research and development were not collected for FY 1978.

NOTES: R&D expenditures by character of work are based on estimates of basic research provided by universities and colleges. Because of rounding, detail may not add to total. The character of work estimation procedure was revised for FY 1998 and later years; hence, these data are not directly comparable with data for 1997 and earlier years.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2004.